Abstract of the Disclosure

A selection unit selects '0' for the first through the (N-1)th frames, and selects a predicted image for the subsequent frames. Thus, an intra-frame coding process is performed on the first through the (N-1)th frames, and an adaptive coding process is performed on the subsequent frames. An information amount reduction unit reduces the amount of information about data in the first through the (N-1)th frames. An information amount adjustment unit stepwise increases the amount of information reduced by the information amount reduction unit.